

Remarks/Arguments

This Amendment is filed in response to the Office Action dated January 28, 2005. Applicants thank Examiner Peng for the thorough examination of Applicants' invention.

Claims 1-15 were pending in the application.

Claim 1-4, 11 and 14 were rejected under 35 U.S.C. 102(e) as being anticipated by Nishi et al.

Claims 5 and 12 were objected to as depending on a rejected claim but allowable if rewritten.

Claims 6, 7 and 13 are objected to as being dependent upon a rejected claim but allowable if rewritten.

Claims 8-10 and 15 are allowable by being dependent claims of objected to but allowable base claims.

Claims 2-11, 12-15 are now pending in the application.

Claims 5, 6, and 7 have been amended in order to rewrite them in independent form including all the limitations of claim 1. Claims 12 and 13 have been amended in order to rewrite them in independent form including all the limitations of claim 11. Claims 8-10 and 15 are now allowable since they are dependent claims of an allowable claim.

Claims 1 and 11 are cancelled without prejudice.

Claims 2 and 3 have been amended in order to render them dependent on allowable claim 5.

Claim 14 is amended in order to render it dependent on allowable claim 12.

Amendments to the specification correct inaccuracies and do not introduce any new matter.

The amended claims introduce three independent claims resulting in a total of five independent claims. The Commissioner for Patents is hereby authorized to charge the fee for the added independent claims, \$400, to Deposit Account No. 50-1078. No additional fee is deemed required, however, he Commissioner for Patents is hereby authorized to charge any fees or deficiencies to or credit any overpayment to Deposit Account No. 50-1078.

Amendments of the Drawings

The attached 9 sheets of drawings includes changes to Figs. 1A, 1C, 1D, 4A, 4B, 7, 8, 11 and 12. These 6 sheets, replace the original 6 sheets. It is noted that sheet 2 is not included because there are no amendments on this sheet. In Figures 1A, 1C and 1D, lead lines have been added for clarity; in Figure 1D, the input beam labeled 47 has been relabeled to the correct number 42 (as referred to and described in the specification), and a "Prior Art" label has been added. In figure 4A and 4B, previously omitted labels (referred to and described in the specification) 303 and 360 have been added. In Figure 7, previously omitted label (referred to and described in the specification) 440 has been added, as requested by the Examiner. In Figure 8, previously omitted labels (referred to and described in the specification) 660, 670 and 680 have been added as requested by the examiner, label 615, which is not referred to in the specification, is deleted and labels 611, 612, 613, 614 have been moved in order to render the elements indicated consistent with the specification. In Figure 11, previously omitted label (referred to and described in the specification) 800 (referred to and described in the specification) has been added. In previously submitted Figure 12, the image was shifted from copying; this has been corrected. No new matter is added due to the above amendments; support for any new elements in the drawings can be found in the specification drawing descriptions.

Attachment: 6 Replacement sheets

6 Annotated sheets showing changes

The following information is presented in the event that a call may be deemed desirable by the Examiner:


JACOB N. ERLICH

617-854-4000

Respectfully submitted,
Thomas A. Mitchell et al.,
Applicants

Date: April 27, 2005

By:



Jacob N. Erlich

Reg. No. 24,338

Attorney for Applicants



Prior Art

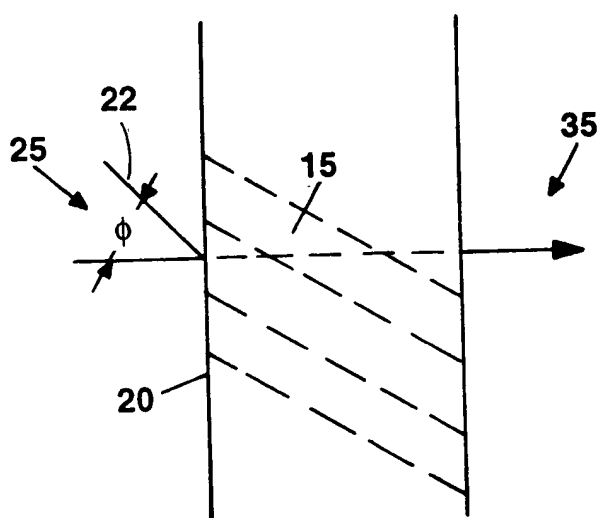


FIG. 1A

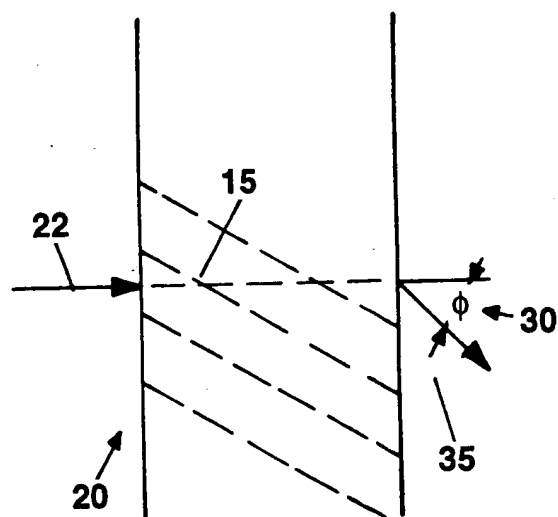


FIG. 1B

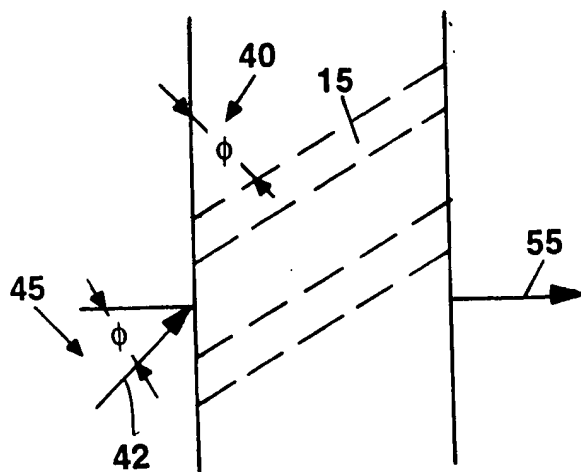


FIG. 1C

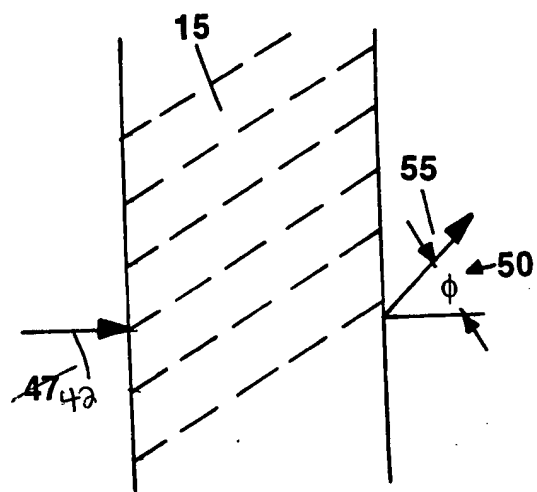


FIG. 1D

4/10

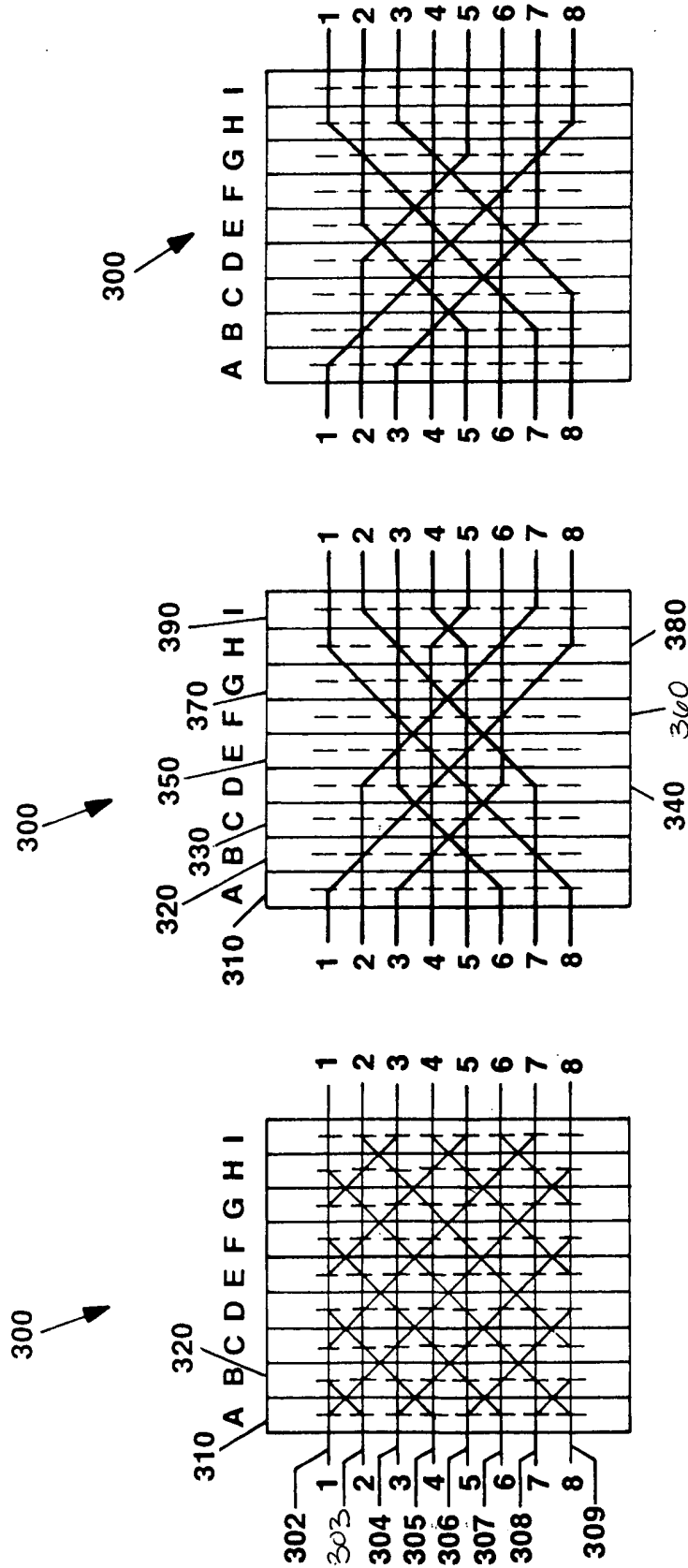


FIG. 4A

FIG. 4B

FIG. 4C

6/10

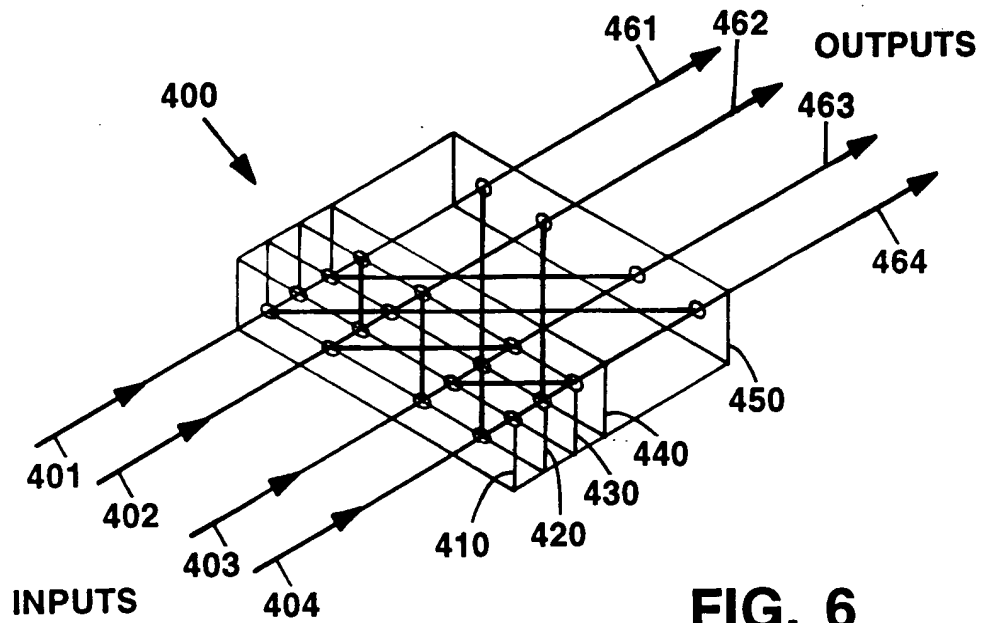


FIG. 6

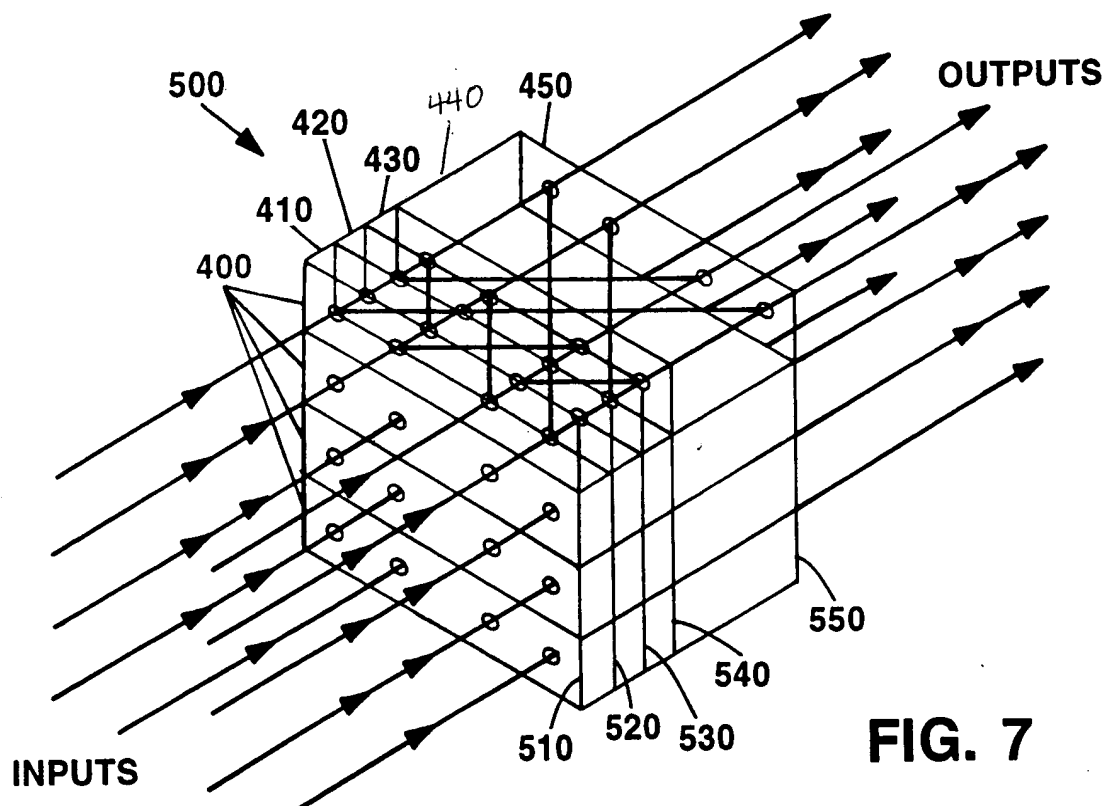
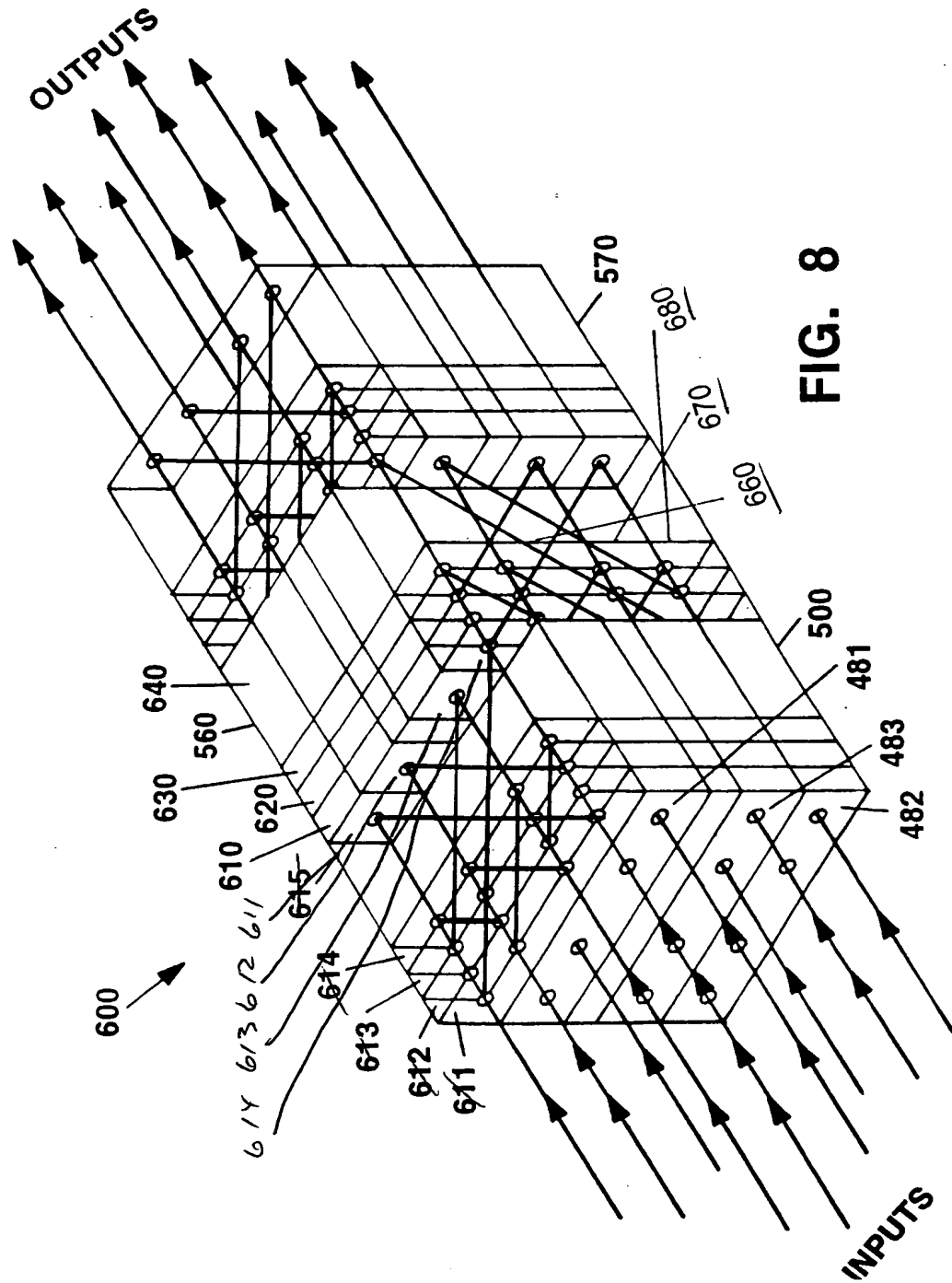
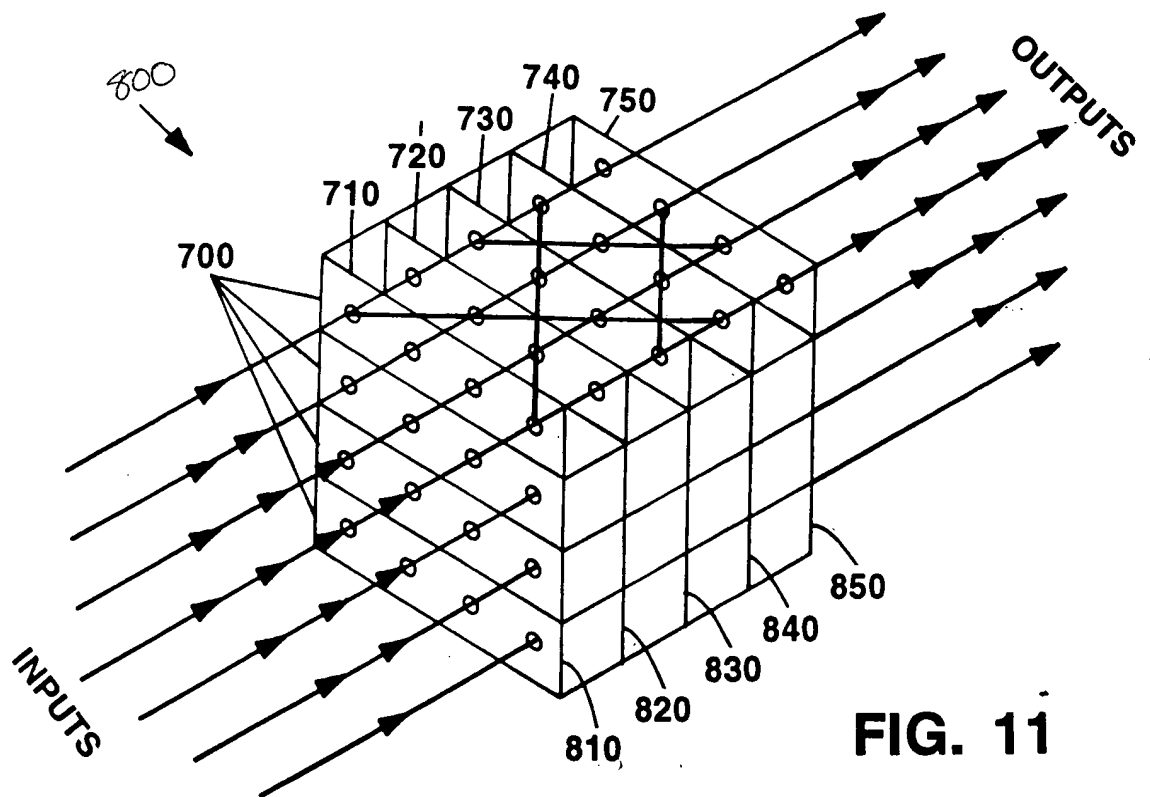
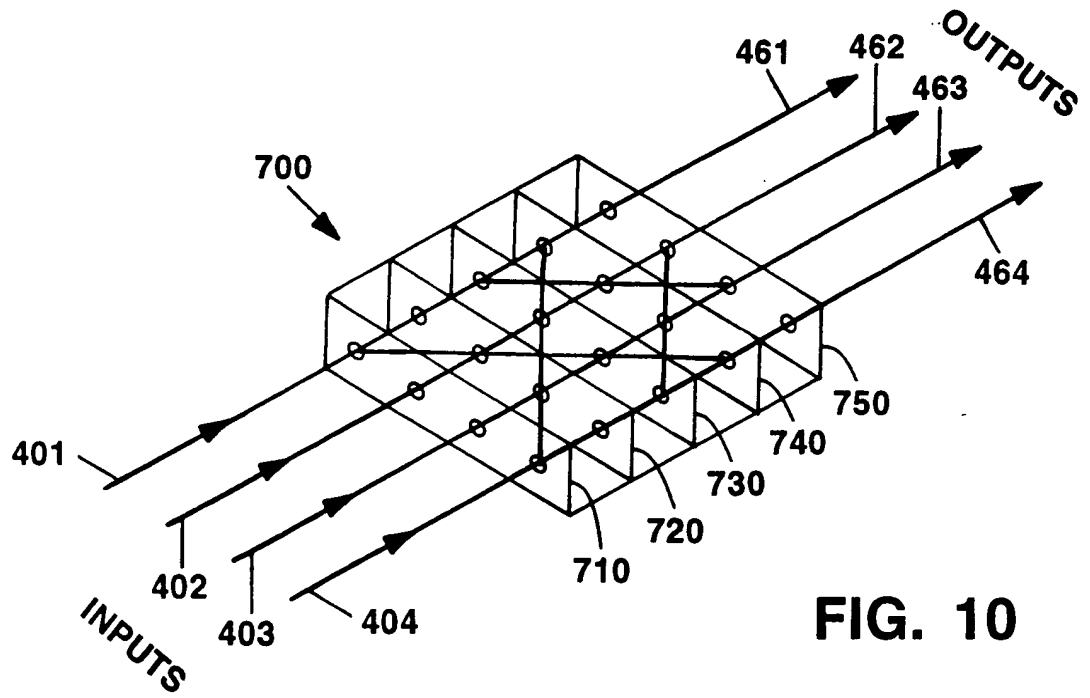


FIG. 7

7/10



9/10



10/10

